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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet		2	of	2	Complete if Known	
				Application Number	10/603,130	
				Filing Date	June 24, 2003	
				First Named Inventor	Eric W. Limmatta	
				Group Art Unit	—	
				Examiner Name	—	
				Attorney Docket Number	SU-7275	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ELC	L-1	"4500-Cl Chlorine (Residual)"; Standard Methods for the Examination of Water and Wastewater; 18 th Edition, 1992, pages 4-36 to 4-37.	
	L-2	"Chlorine, Free and Total, For water, wastewater and seawater"; Hach Water Analysis Handbook; 3 rd Edition; 1997; pages 1206-1207.	
	L-3	Ikeme, A.I. et al.; "Extending the Shelf-Life of Chicken Broiler Meat"; Poultry Science, 1982; pages 2200-2207.	
	L-4	"Chlorination"; Handbook of Industrial Water Conditioning; 7 th Edition; 1976; pages 24-29.	
	L-5	Cantrell, Evisceration Equipment, from Cantrell website http://www.cantrell.com/evislist1.htm , website visited 9/19/2003, unknown publication date, 5 pages.	
	L-6	Meyn, Product Line, from website http://www.meyn.nl/product_line.html , website visited 1/31/2003, unknown publication date, 5 pages.	
	L-7	Baader Johnson, Your Partner for Complete Processing Solutions, Birdwasher IO505-16, published 2/22/2002, 2 pages.	
	L-8	Baader Johnson, Your Partner for Complete Processing Solutions, Birdwasher IO505-20, published 12/28/2000, 2 pages.	
	L-9	Cantrell, Inside/Outside Bird Washer, from Cantrell website http://www.cantrell.com/evislist1.htm , website visited 2/20/2003, unknown publication date, 1 pages.	
	L-10	TEKTRAN, United States Department of Agriculture, Agricultural Research Service, Updated 12-18-1998, "An Evaluation of On-Line "Reprocessing" on Visual Contamination and Microbiological Quality of Broilers", from website http://www.nal.usda.gov/ttic/tektran/data/000008/35/0000083511.html , website visited 1/31/2003, 1 page	
	L-11	Food Engineering: Multiple Hurdles Minimize Pathogens, Poultry Interventions, website http://www.foodengineeringmag.com/articles/1999/1299/1299f2.htm , website visited 1/31/2003, 1 page, publication date unknown.	
	L-12	The University of Georgia Cooperative Extension Service, Poultry Tips, from website http://www.uga.edu/~poultry/tips/tips98jan4.htm , website visited 1/31/2003, 3 pages.	
	L-13	Abstract of a presentation to the Annual Meeting of the International Association for Food Protection (formerly IAMFES), Atlanta, GA. August 9, 2000, Continuous On-line Processing of Fecal Contaminated Poultry Carcasses, from website http://www.sanova.com/abstract.html , website visited 1/31/2003, 22 pages	
	L-14	Safe Foods Corporation, What is Cecure and how good is it?, from website http://www.safefoods.net/cecure.htm , website visited 1/31/2003, 2 pages	
✓	L-15	Cantrell Machine Co., Inc., Brochure, Inside/Outside Bird Washer, Model No. FIO-515, 2 pages	
ELC	L-16	Food Engineering: Research & Development (1099), from website http://www.foodengineeringmag.com/articles/1999/1099/1099research.htm , website visited 1/31/2003, 3 pages	

Examiner Signature	Arthur L. Corbin	Date Considered	3-15-06
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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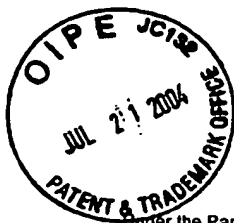
Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT First Supplemental (use as many sheets as necessary)				Application Number	10/603,130
				Filing Date	June 24, 2003
				First Named Inventor	Eric W. Liimatta
				Art Unit	— 1268
				Examiner Name	— Carlson
				Attorney Docket Number	SU-7275
Sheet	1	of	1		

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Examiner Signature	Arthur L. Gibson	Date Considered	5-15-66
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Substitute for form 1449/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Second Supplemental (use as many sheets as necessary)		Application Number	10/603,130		
		Filing Date	June 24, 2003		
		First Named Inventor	Eric W. Liimatta		
		Group Art Unit	= 1765		
		Examiner Name	= Corbin		
Sheet	1	of	2	Attorney Docket Number	SU-7275

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
mc	L-17	Blaser, Martin J., et al., "Inactivation of <i>Campylobacter jejuni</i> by Chlorine and Monochloramine", Applied and Environmental Microbiology, vol 51, no. 2, 1986, ppg 307-311.	
	L-18	Carr, Anita C., "Differential reactivities of hypochlorous and hypobromous acids with purified <i>Escherichia coli</i> phospholipid: formation of haloamines and haloaldehydes", Biochimica et Biophysica, 1392, 1998, ppg 254-264.	
	L-19	Dickens, J.A., et al., "Efficacy of an Herbal Extract on the Microbiological Quality of Broiler During a Simulated Chill", Poultry Science, 2000, vol 79, ppg 1200-1203.	
	L-20	Fabrizio, K.A., et al., "Comparison of Electrolyzed Oxidizing Water with Various Antimicrobial Interventions to Reduce <i>Salmonella</i> Species on Poultry", Poultry Science, 2002, vol 81, ppg 1598-1605.	
	L-21	Hawkins, Clare L., et al., "Hypochlorite- and Hypobromite-Mediated Radical Formation and Its Role in Cell Lysis", Archives of Biochemistry and Biophysics, vol 395, no. 2, November 15, 2001, ppg 137-145.	
	L-22	Kumar, Krishan, et al., "Kinetics and Mechanism of General-Acid-Assisted Oxidation of Bromide by Hypochlorite and Hypochlorous Acid", Inorg. Chem., 1987, vol 26, ppg 2706-2711.	
	L-23	Lillard, H.S., "Effect of Trisodium Phosphate on <i>Salmonellae</i> Attached to Chicken Skin", Journal of Food Protection, vol 57, no. 6, June 1994, ppg 465-469.	
	L-24	Mead, G.C., et al., "The Effectiveness of In-plant Chlorination in Poultry Processing", Br. Poult. Sci., vol 16, 1975, ppg 517-526.	
	L-25	Northcutt, J.K., et al., "Effect of Broiler Age, Feed Withdrawal, and Transportation on Levels of Coliforms, <i>Campylobacter</i> , <i>Escherichia coli</i> and <i>Salmonella</i> on Carcasses Before and After", Poultry Science, 2003, vol 82, ppg 169-173.	
	L-26	Patterson, J.T., "Chlorination of Water Used For Poultry Processing", British Poultry Science, vol 9, part 2, 1968, ppg 129-133.	
	L-27	"9215 C. Spread Plate Method", Microbiological Examination (9000), ppg 9-38 - 9-40.	
	L-28	Tamblyn, K.C., et al., "Utilization of the Skin Attachment Model to Determine the Antibacterial Efficacy of Potential Carcass Treatments", Poultry Science, 1997, vol 76, ppg 1318-1323.	
	L-29	Tsai, Lee-Shin, et al., "Chlorination of Poultry Chiller Water: Chlorine Demand and Disinfection Efficiency", Poultry Science, 1992, vol 71, ppg 188-196	
✓	L-30	"Pathogen Reduction; Hazard Analysis and Critical Control Point (HACCP) Systems; Final Rule", Federal Register, July 25, 1996, vol 61, no 144, pp 38806-38814 and 38854-38855.	
mc	L-31	Vissers, Margret C.M., et al., "Comparison of human red cell lysis by hypochlorous and hypobromous acids: Insights into the mechanism of lysis", Biochem. J., vol 330, 1998, ppg 131-138.	

Examiner Signature	Arthur L. Corbin	Date Considered	5-15-06
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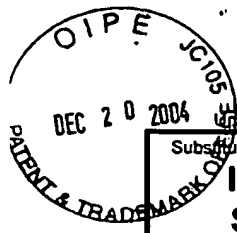
Substitute for form 1449/PTO				Control number.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Third Supplemental (use as many sheets as necessary)				Complete if Known	
				Application Number	10/603,130
				Filing Date	June 24, 2003
				First Named Inventor	Eric W. Liimatta
				Art Unit	— 1965
				Examiner Name	— Corbin
				Attorney Docket Number	SU-7275
Sheet	1	of	1		

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Examiner Signature	ARTHUR L. GORDIN	Date Considered	5-15-06
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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Fourth Supplemental (use as many sheets as necessary)		Application Number	10/603,130		
		Filing Date	June 24, 2003		
		First Named Inventor	Eric W. Liimatta		
		Group Art Unit	— 5765		
		Examiner Name	— Corbin		
Sheet	1	of	8	Attorney Docket Number	SU-7275

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
mc	US-18	US-1995639	03-26-1935	Henderson	—
	US-19	US-2443429	06-15-1948	Marks	—
	US-20	US-2662855	09-07-1950	Kamlett	—
	US-21	US-2779764	01-29-1957	Paterson	—
	US-22	US-2815311	12-03-1957	Ellis, et al.	—
	US-23	US-3412021	11-19-1968	Paterson	—
	US-24	US-3519569	07-07-1970	Diaz	—
	US-25	US-3558503	01-26-1971	Goodenough, et al.	—
	US-26	US-3850833	11-26-1974	Koceich, et al.	—
	US-27	US-4235599	11-25-1980	Davis, et al.	—
	US-28	US-4297224	10-27-1981	Macchiarolo, et al.	—
	US-29	US-4557926	12-10-1985	Nelson, et al.	—
	US-30	US-4643835	02-17-1987	Koeplin-Gall, et al.	—
	US-31	US-4872999	10-10-1989	Schild, et al.	—
	US-32	US-5130033	07-14-1992	Thornhill	—
	US-33	US-5141652	08-25-1992	Moore, et al.	—
	US-34	US-5209934	05-11-1993	Egis, et al.	—
	US-35	US-5264136	11-23-1993	Howarth, et al.	—
	US-36	US-5429723	07-04-1995	Atkinson	—
	US-37	US-5464636	11-07-1995	Hight, et al.	—
	US-38	US-5683654	11-04-1997	Dallmier, et al.	—
	US-39	US-5688515	11-18-1997	Kuechler, et al.	—
	US-40	US-6068861	05-30-2000	Moore, et al.	—
	US-41	US-6069142	05-30-2000	Gaffney, et al.	—
mc	US-42	US-6284144 B1	09-04-2001	Itzhak	—

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
mc	FP-8	WO 89/10696	11-16-1989	Great Lakes Chemical	—

Examiner Signature	ARTHUR L CORBIN	Date Considered	5-15-06
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Sheet	2	of	8

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ju	L-35	Clare, A.S., "Marine Natural Product Antifoulants: Status and Potential," Biofouling (1996) 9: 211-229.	
	L-36	S. Tsukamoto, et al., "Ceratinamides A and B: New Antifouling Dibromotyrosine Derivatives from the Marine Sponge <i>Pseudoceratina purpurea</i> ," Tetrahedron (1996) 52: 8181-8186.	
	L-37	W. Miki, K. Kon-ya, and S. Mizobuchi, "Biofouling and Marine Biotechnology: New Antifoulants from Marine Invertebrates," Journal of Marine Biotechnology (1996) 4: 117-120.	
	L-38	H. Genthe, "The Incredible Sponge," Smithsonian (August 1998) 29: 50-58.	
	L-39	M. Givskov, et al., "Eukaryotic Interference with Homoserine Lactone-Mediated Prokaryotic Signaling," Journal of Bacteriology (1996) 178: 6618-6622.	
	L-40	D. Ren, J.J. Sims, and T.K. Wood, "Inhibition of Biofilm Formation and Swarming of <i>Bacillus subtilis</i> by (5Z)-4-Bromo-5-(Bromomethylene)-3-Butyl-2(5H)-Furanone," Letters in Applied Microbiology (2002) 34: 293-299.	
	L-41	M.E. Weeks, "Discovery of the Elements: XVII. The Halogen Family," Journal of Chemical Education (1932) 9: 1915-1938.	
	L-42	A.J. Balard, Annales de Chemie et de Physique (1826), vol 32, ppg 371-372.	
	L-43	H.S. Rzepa, "Elemental and Molecular Heritage: An Internet-Based Display," Molecules (1998) 3: 94-99.	
	L-44	B. Grinbaum and M. Friedman, "Bromine," in Kirk-Othmer Encyclopedia of Chemical Technology 4 th Ed. (New York, NY: John Wiley and Sons, Inc., 2001), vol 4, ppg 548-549.	
	L-45	F. Yaron, "Bromine Manufacture: Technology and Economic Aspects," in "Bromine and Its Compounds," Z.E. Jolles, ed., pp 3-12 (New York, NY: Academic Press, 1966).	
↓	L-46	"Bromine Brine," Arkansas Geological Commission, web address www.state.ar.us/agc/bromine.htm ; 1 page.	
ju	L-47	R.D. Bartholomew, "Bromine-based Biocides for Cooling Water Systems: A Literature Review," Paper IWC 98-74 (Pittsburgh, PA: Engineers' Society of Western Pennsylvania, 1998), 30 pages.	

Examiner Signature	Arthur L. Capin	Date Considered	3-15-06
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		Filing Date	June 24, 2003
		First Named Inventor	Eric W. Liimatta
		Group Art Unit	—
		Examiner Name	—
Fourth Supplemental (use as many sheets as necessary)		Attorney Docket Number	SU-7275
Sheet	3	of	8

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BR	L-48	F.W. Tanner and G. Pitner, "Germicidal Action of Bromine," Proceedings of the Society for Experimental Biology and Medicine (1939) 40: 143-145.	
	L-49	T.D. Beckwith and J.R. Moser, Journal of the American Water Works Association (1933) 25: 367-374.	
	L-50	D.R. Wood and E.T. Illing, Analyst (1930), Royal Society of Chemistry, The Analyst, 55: 126-127.	
	L-51	J. A. McCarthy, Journal of the New England Water Works Association (1944) 58: 55-68.	
	L-52	O. Wyss and R.J. Stockton, "The Germicidal Action of Bromine," Arch. Biochem. (1947) 12:267-271.	
	L-53	E.A. Shilov and J.N. Gladchikova, "On the Calculation of the Dissociation Constants of Hypohalogenous Acids from Kinetic Data," Journal of the American Chemical Society (1938) 60: 490-491.	
	L-54	G.M. Fair, et al., "The Behavior of Chlorine as a Water Disinfectant," Journal of the American Water Works Association (1948) 40: 1051-1061.	
	L-55	E.K. Rideal and U.R. Evans, "The Effect of Alkalinity on the Use of Hypochlorites," Journal of the Society of the Chemical Industry (1921) 40: 64R-66R	
	L-56	C.K. Johns, "Germicidal Power of Sodium Hypochlorite," Industrial and Engineering Chemistry (1934) 26: 787-788.	
	L-57	G.R. Dychala, "Chlorine and Chlorine Compounds" in Disinfection, Sterilization, and Preservation 4 th Ed., S.S. Block, ed., pp. 137-138 and 149-15, (Philadelphia, PA, Lea & Febiger, 1991).	
	L-58	T. Kristoffersen and I.A. Gould, "Effect of Sodium Bromide on the Bactericidal Effectiveness of Hypochlorite Sanitizers of High Alkalinity," Journal of Dairy Science (1958) 41: 950-955.	
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Examiner Signature	Arthur L. Gordon	Date Considered	5-15-06
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		Filing Date	June 24, 2003
		First Named Inventor	Eric W. Liimatta
		Group Art Unit	---
		Examiner Name	---
		Attorney Docket Number	SU-7275
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Sheet	4	of	8

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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Jue	L-62	J.K. Johannesson, "The Bromination of Swimming Pools," American Journal of Public Health (1960) 50: 1731-1736.	
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	L-64	J.K. Johannesson, "Anomalous Bactericidal Action of Bromamine," Nature (1958) 181: 1799-1780.	
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Examiner Signature	Arthur L. Corbin	Date Considered	5-15-06
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JS	L-76	S. Barratt and C.P. Stein, "On Bromine Chloride," Proceedings of the Royal Society (London) (1929) vol 122: 582-588.	
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Examiner Signature	Arthur L. Corbin	Date Considered	5-15-06
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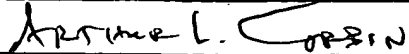
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	L-89	P. Sweeney, M. Ludensky, and O. Barokhov, "Mill Performance of a Brominated Methylethylhydantoin Slimicide," pp 437-447, Proceedings of the 1999 TAPPI Papermakers Conference (Norcross, GA: TAPPI, 1999).	
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<i>Be</i>	L-103	Howarth et al., "First Field Trials of Single-Feed, Liquid Bromine Biocide For Cooling Towers", Paper TP00-09 (Houston, Tx.: Cooling Technology Institute, Jan. 31-Feb 2, 2000), 17 pages	
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Examiner Signature	<i>Andrew L. Corbin</i>	Date Considered	<i>5-15-06</i>
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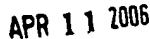
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AS	L-115	"Minimizing the Risk of Legionellosis Associated with Building Water Systems," ASHRAE Guideline 12-2000 (Atlanta, GA: ASHRAE, 2000), 19 pages.	
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Examiner Signature	ARTHUR L. SERBIN	Date Considered	5-15-06
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